

09/868188

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Patent  
Attorney's Docket No. 004501-550

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
KLAUS BOHNERT, et al. ) Group Art Unit: Unassigned  
Application No.: Unassigned ) Examiner: Unassigned  
Filed: June 15, 2001 )  
For: FIBRE BRAGG-GRATING SENSOR )

#31A  
2 Oct 01  
P. Talbot

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned patent application, it is requested that the following amendments be entered.

IN THE CLAIMS:

Please replace Claims 1-12 as follows.

1. (Amended) A fiber-optic pressure sensor, in particular suitable for measuring differential pressures and flow rates in oil drill holes, comprising a transducer with a sensor fiber which has at least one fiber Bragg grating, wherein
- the transducer comprises at least one first pressure member for holding a first medium under an all round pressure  $p_1$ ,
  - the transducer comprises at least one second pressure member for holding a second medium under an all round pressure  $p_2$ , and

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